

SEA-BIRD ELECTRONICS, INC.

1808 136th Place N.E., Bellevue, Washington, 98005 USA
Phone: (425) 643 - 9866 Fax (425) 643 - 9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 0416
CALIBRATION DATE: 20-Apr-09

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 189025

COEFFICIENTS:

PA0 = 4.116222e+000
PA1 = 6.002712e-002
PA2 = 2.015492e-008

PTCA0 = 0.000000e+000
PTCA1 = -1.324270e+000
PTCA2 = 3.118708e-002
PTCB0 = 0.000000e+000
PTCB1 = 0.000000e+000
PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.76	162.4	20.2	14.71	-0.00
310.98	5077.6	20.4	310.28	-0.05
607.29	9989.2	20.4	606.60	-0.05
903.90	14889.1	20.4	903.19	-0.05
1200.21	19771.4	20.4	1199.67	-0.04
1496.51	24644.1	20.6	1496.53	0.00
1200.14	19786.6	20.6	1200.59	0.03
903.75	14911.1	20.6	904.52	0.05
607.35	10015.4	20.8	608.18	0.06
311.00	5097.9	20.8	311.50	0.03
14.75	165.2	20.9	14.88	0.01

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	175.10		
29.00	170.99		
24.00	169.55		
18.50	170.75		
15.00	169.73		
4.50	183.38		
1.00	179.50		

$$n = \text{instrument output} - (\text{PTCA1} * t - \text{PTCA2} * t^2)$$

$$\text{pressure (psia)} = \text{PA0} + \text{PA1} * n + \text{PA2} * n^2$$

Date, Avg Delta P %FS

20-Apr-09 0.00

